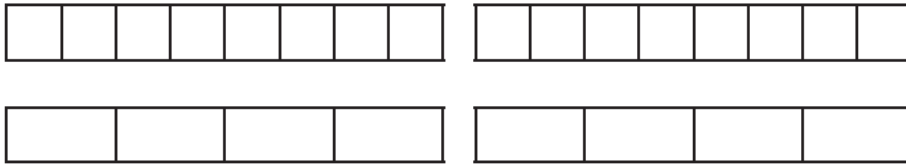


Extra Fluency

Mon 8 Feb repeated from Fri 5 Feb

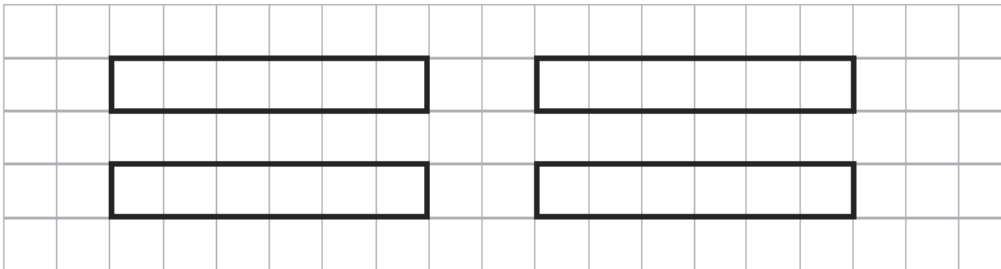
1) a) Use these bar models to compare $\frac{10}{8}$ and $\frac{7}{4}$.



>

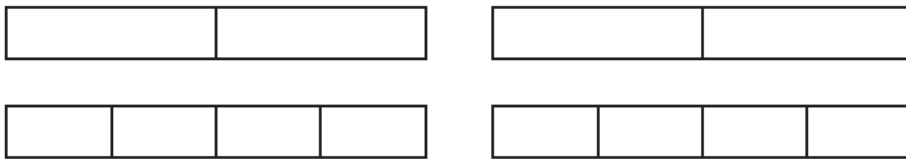


b) Draw two bar models to compare $\frac{5}{3}$ and $\frac{8}{6}$.



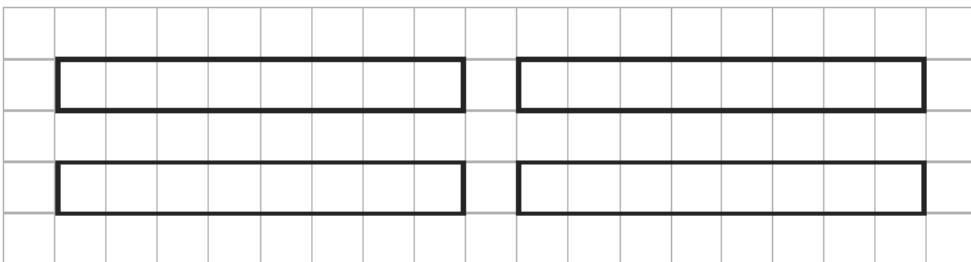
<

2) a) Colour these bar models to compare $1\frac{1}{2}$ and $1\frac{3}{4}$.



>

b) Draw two bar models to compare $1\frac{1}{4}$ and $1\frac{3}{8}$.



<

3) Use your knowledge of common denominators to order these fractions from smallest to greatest.

a)

	$\frac{6}{3}$	$\frac{7}{6}$	$\frac{8}{12}$
Find the equivalent fractions:	<input type="text"/> $\frac{\quad}{12}$	<input type="text"/> $\frac{\quad}{12}$	<input type="text"/> $\frac{\quad}{12}$
Order the fractions:	<input type="text"/>	<input type="text"/>	<input type="text"/>

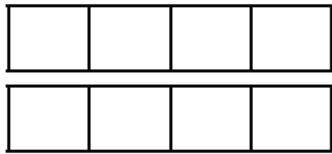
b)

	$\frac{3}{14}$	$\frac{1}{8}$	$\frac{19}{16}$
Find the equivalent fractions:	<input type="text"/> $\frac{\quad}{\quad}$	<input type="text"/> $\frac{\quad}{\quad}$	<input type="text"/> $\frac{\quad}{\quad}$
Order the fractions:	<input type="text"/>	<input type="text"/>	<input type="text"/>

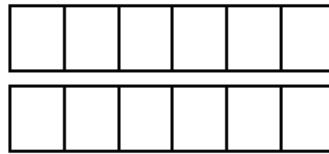
Tues 9 Feb

1) Colour the bar models to represent and complete the calculations. Give your answers as improper fractions and as mixed numbers.

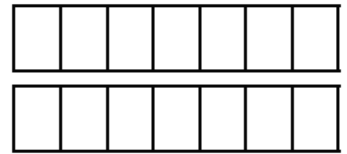
a) $\frac{3}{4} + \frac{3}{4} =$



b) $\frac{4}{6} + \frac{5}{6} =$

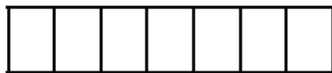


c) $\frac{4}{7} + \frac{6}{7} =$

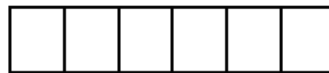


2) Complete the bar models to answer these subtraction calculations.

a) $\frac{6}{7} - \frac{2}{7} =$



b) $1 - \frac{4}{6} =$



c) $\frac{4}{5} - \frac{2}{5} =$



3) Complete these calculations.

a) $\frac{7}{8} - \frac{3}{8} =$

b) $\frac{4}{7} -$ $= \frac{2}{7}$

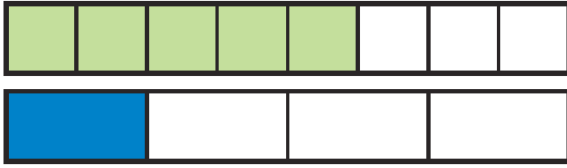
c) $\frac{5}{6} + \frac{2}{6} =$

d) $\frac{3}{8} +$ $= 1\frac{1}{2}$

Thur 10 Feb

1) Use the bar models to help find a common denominator, then complete the calculations.

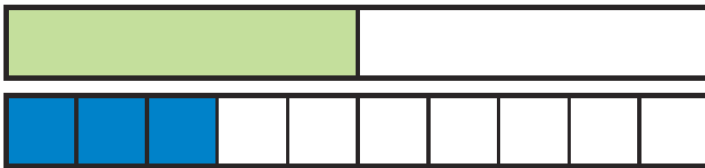
a) $\frac{5}{8} + \frac{1}{4} =$ _____



b) $\frac{2}{6} + \frac{4}{12} =$ _____

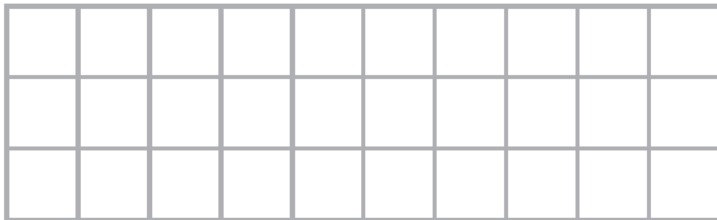


c) $\frac{1}{2} + \frac{3}{10} =$ _____

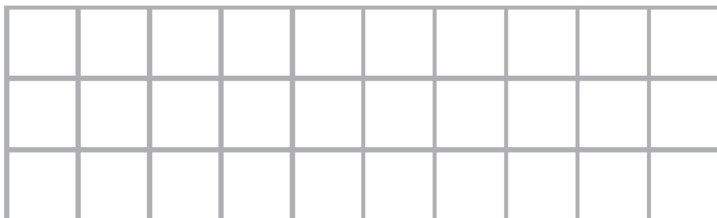


2) Now answer these calculations. You can draw your own bar models to help you.

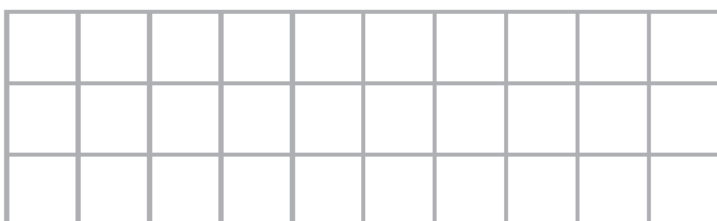
a) $\frac{1}{3} + \frac{4}{9} =$ _____



b) $\frac{3}{5} + \frac{3}{10} =$ _____



c) $\frac{3}{4} + \frac{1}{8} =$ _____

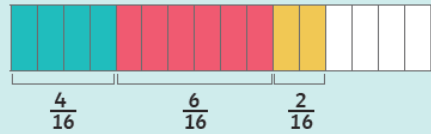
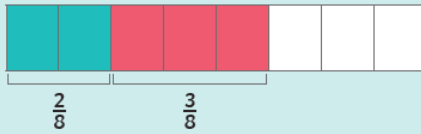


Fri 12 Feb

- 1) Ffion is adding 3 fractions together.
Here are her workings.



$$\frac{1}{4} + \frac{3}{8} + \frac{2}{16} =$$

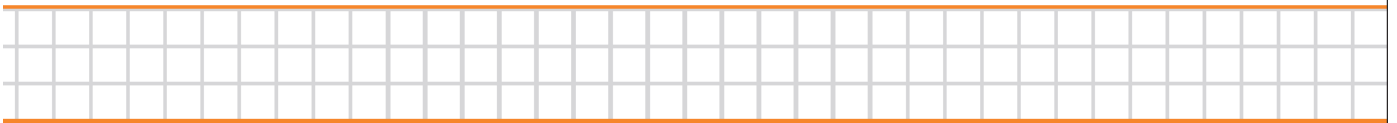


$$\frac{4}{16} + \frac{6}{16} + \frac{2}{16} = \frac{12}{16}$$

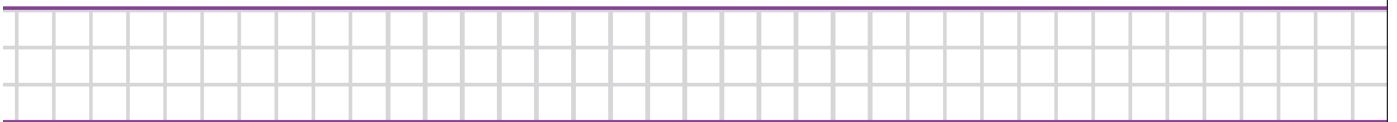
This is the same as $\frac{1}{4} + \frac{3}{8} + \frac{2}{16} = \frac{12}{16}$.

Use Ffion's method to add the following fractions:

a) $\frac{1}{2} + \frac{2}{6} + \frac{1}{12} =$



b) $\frac{1}{3} + \frac{1}{6} + \frac{3}{12} =$



- 2) Match the calculation to the correct answer:

$$\frac{1}{3} + \frac{2}{12} + \frac{2}{6}$$

$$\frac{11}{12}$$

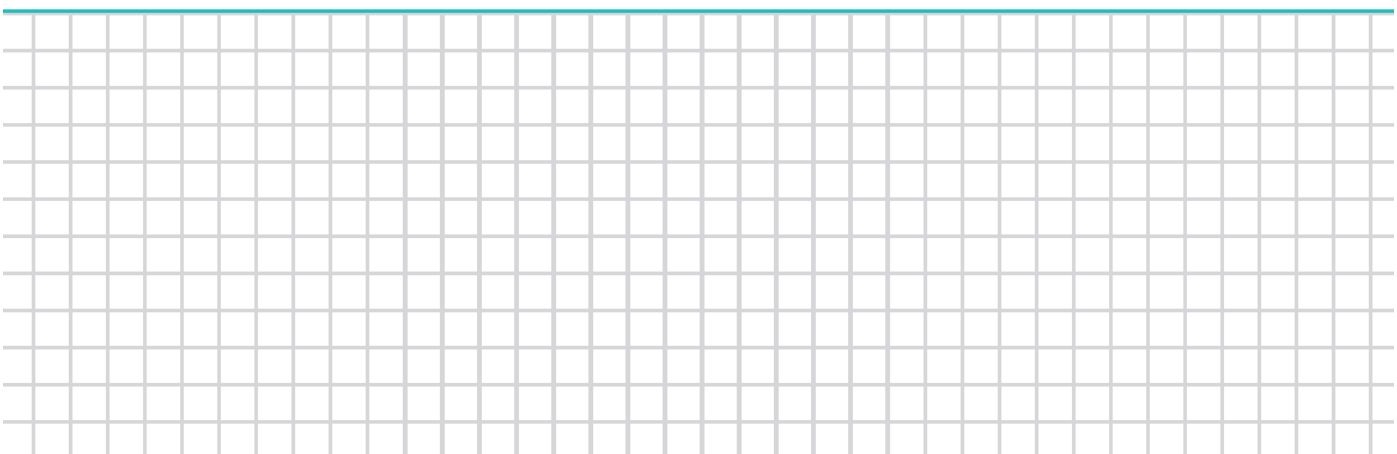
$$\frac{1}{2} + \frac{2}{12} + \frac{1}{4}$$

$$\frac{8}{12}$$

$$\frac{1}{12} + \frac{1}{3} + \frac{1}{4}$$

$$\frac{10}{12}$$

Show your working here:

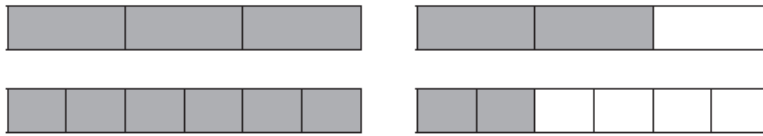


Fluency Answers:

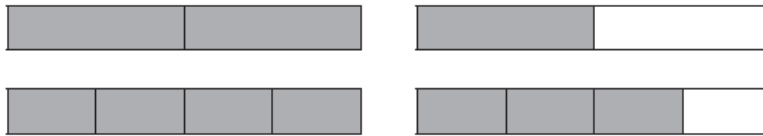
Mon 8 Feb

1) a) $\frac{7}{4} > \frac{10}{8}$

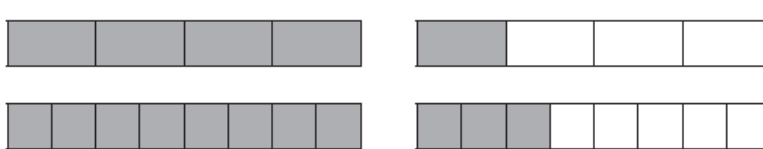
b) $\frac{8}{6} < \frac{5}{3}$



2) a) $1\frac{3}{4} > 1\frac{1}{2}$



b) $1\frac{1}{4} < 1\frac{3}{8}$



3) a)

	$\frac{6}{3}$	$\frac{7}{6}$	$\frac{8}{12}$
Find the equivalent fractions:	$\frac{24}{12}$	$\frac{14}{12}$	$\frac{8}{12}$
Order the fractions:	$\frac{8}{12}$	$\frac{7}{6}$	$\frac{6}{3}$

b)

	$1\frac{3}{4}$	$1\frac{1}{8}$	$\frac{19}{16}$
Find the equivalent fractions:	$\frac{28}{16}$	$\frac{18}{16}$	$\frac{19}{16}$
Order the fractions:	$1\frac{1}{8}$	$\frac{19}{16}$	$1\frac{3}{4}$

Tues 9 Feb

1) a) $\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4}$ (or $1\frac{1}{2}$)

b) $\frac{4}{6} + \frac{5}{6} = \frac{9}{6} = 1\frac{3}{6}$ (or $1\frac{1}{2}$)

c) $\frac{4}{7} + \frac{6}{7} = \frac{10}{7} = 1\frac{3}{7}$

2) a) $\frac{4}{7}$

b) $\frac{2}{6}$

c) $\frac{2}{5}$

3) a) $\frac{4}{8}$

b) $\frac{2}{7}$

c) $\frac{7}{6}$ or $1\frac{1}{6}$

d) $\frac{9}{8}$ or $1\frac{1}{8}$

Thur 10 Feb

1) a) $\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$

b) $\frac{2}{6} + \frac{4}{12} = \frac{4}{12} + \frac{4}{12} = \frac{8}{12}$ (= $\frac{2}{3}$ as a simplified fraction)

c) $\frac{1}{2} + \frac{3}{10} = \frac{5}{10} + \frac{3}{10} = \frac{8}{10}$ (= $\frac{4}{5}$ as a simplified fraction)

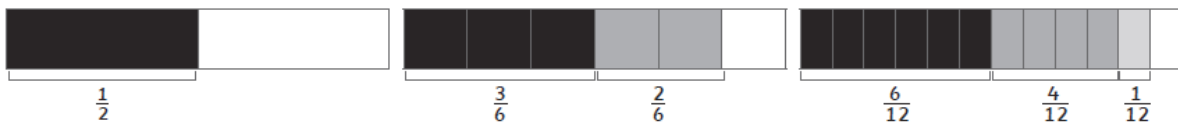
2) a) $\frac{7}{9}$

b) $\frac{9}{10}$

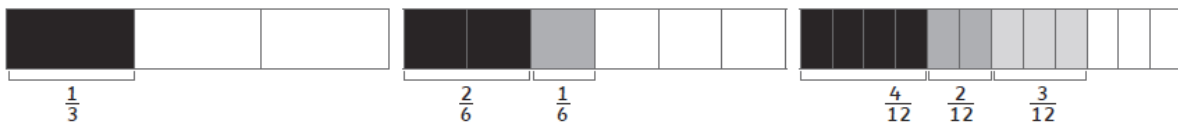
c) $\frac{7}{8}$

Fri 12 Feb

1) a) $\frac{6}{12} + \frac{4}{12} + \frac{1}{12} = \frac{11}{12}$



b) $\frac{4}{12} + \frac{2}{12} + \frac{3}{12} = \frac{9}{12}$



2)

